US Army Corps of Engineers
Electronic Technology
Systems Center (ETSC)

US Army Corps of Engineers

Functional Responsibility

Electronic Technology Systems Center

Electronic Security Systems Center of Expertise

Utility Monitoring and Control Systems Center of Expertise

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Electronic Technology Systems Center (ETSC)

- Electronic Security Systems Mandatory Center of Expertise (ESS-MCX)
  - ESS-MCX chartered in 1983
  - USACE Response to AR-190-13 "Army Physical Security Program"
  - Known as Electronic Security Center (ESC)

- Utility Monitoring and Control Systems Mandatory Center of Expertise (UMCS-MCX)
  - UMCS-MCX chartered in 1979

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Centers of Expertise

AR 190-13:
HQUSACE will … maintain centers of expertise for protective design and for IDS to provide assistance to all Army elements…

ER 1110-1-8158:
…have unique or exceptional technical capability in a specialized subject area that is critical to other USACE commands.

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What the Electronic Technology Systems Center Provides

- ***ESS & UMCS Expertise (In-house / Contractor)***
- ***Life Cycle Support (HNC / Districts)***
- Scope Definition
- Conduct Site Surveys
- Perform Designs
- Procurement / Installation
- Maintenance
- Monitoring

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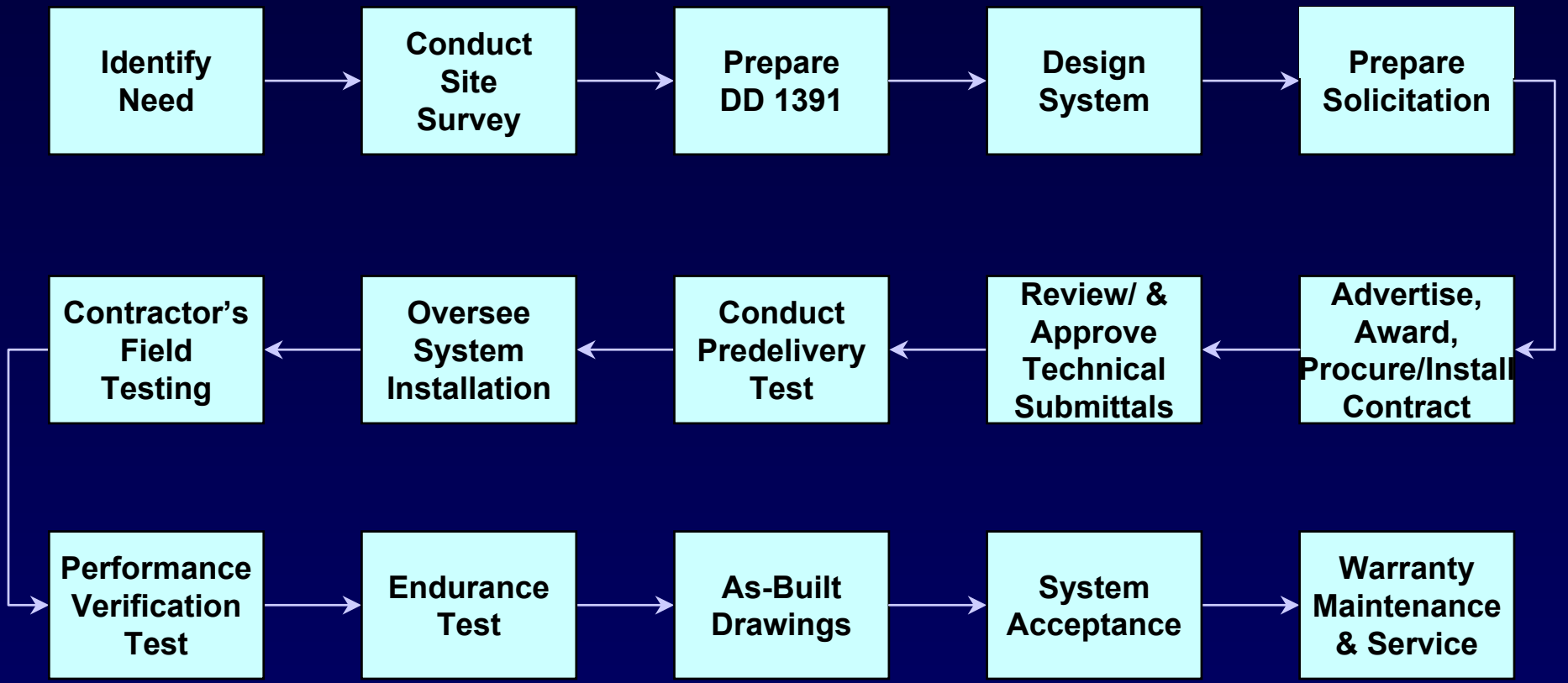
"Cradle to Grave" Services



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Benefits of Using the Electronic Technology Systems Center

- Cradle-to-Grave Service
- Proper Scope – meets requirements at lowest cost
- Latest Technology – Properly Applied
- On-board contractors result in quick execution
- Local Support by District personnel

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Electronic Technology Systems Center Customers

Department of Defense

- Pentagon Renovation
- US Army Europe
- US Forces Korea
- US Army Japan
- US Southern Command
- California Army National Guard
- Texas Army National Guard
- Chemical Storage / DEMIL
- National Missile Defense
- Naval Facilities Engineering Services Center
- Armed Forces Radiobiological Research Institute

Support for Others

- John F. Kennedy Center
- Smithsonian Institution
- Federal Bureau of Investigation
- Bureau of Reclamation
- US Customs Service
- Immigration & Naturalization Service
- US Department of Agriculture
- Bureau of Land Management
- National Oceanographic and Atmospheric Administration
- Veteran's Administration
- General Services Administration
- Food and Drug Administration
- Centers for Disease Control
- National Institute for Environmental Health Sciences

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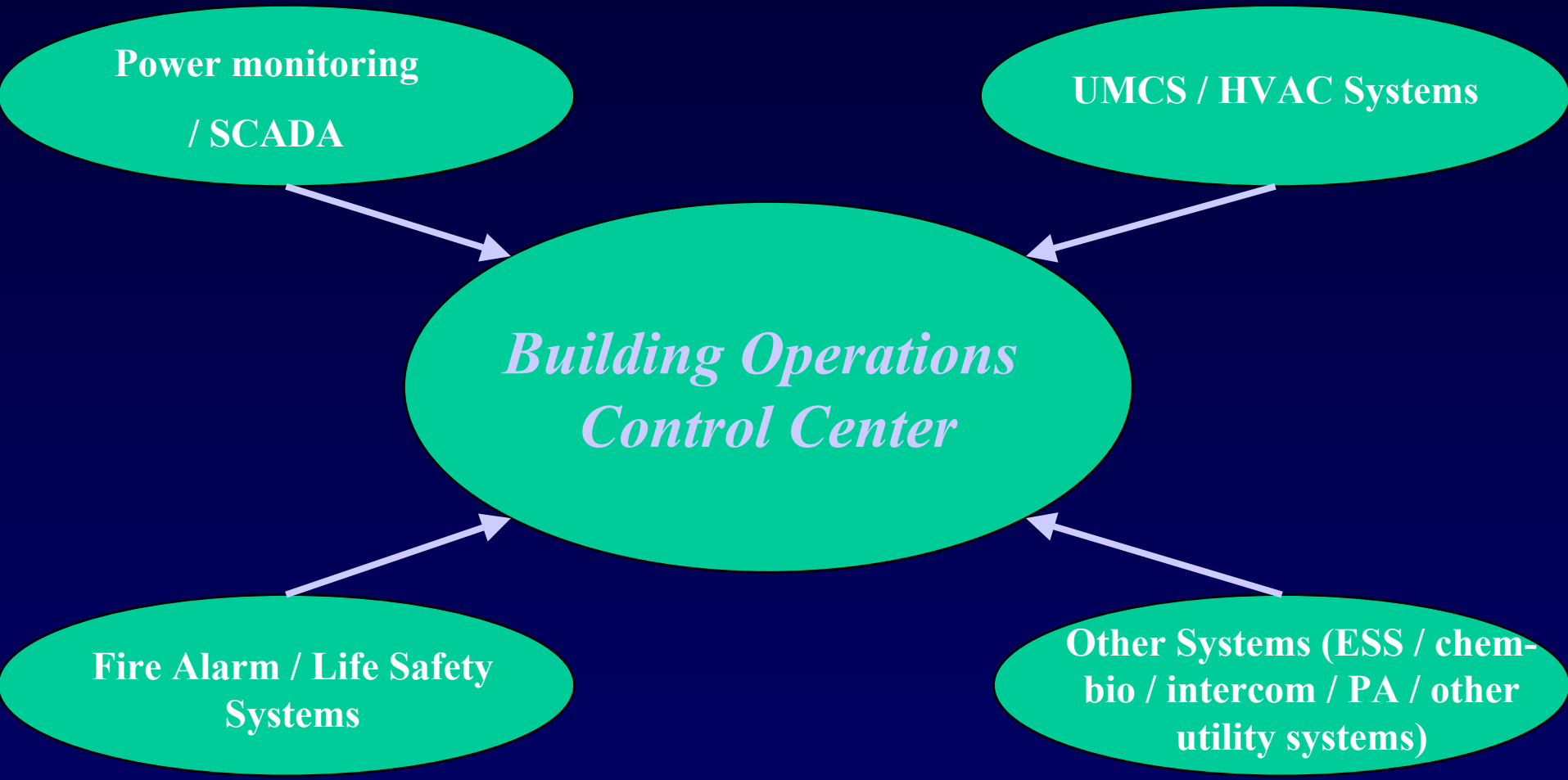
UMCS and Subsystem Elements



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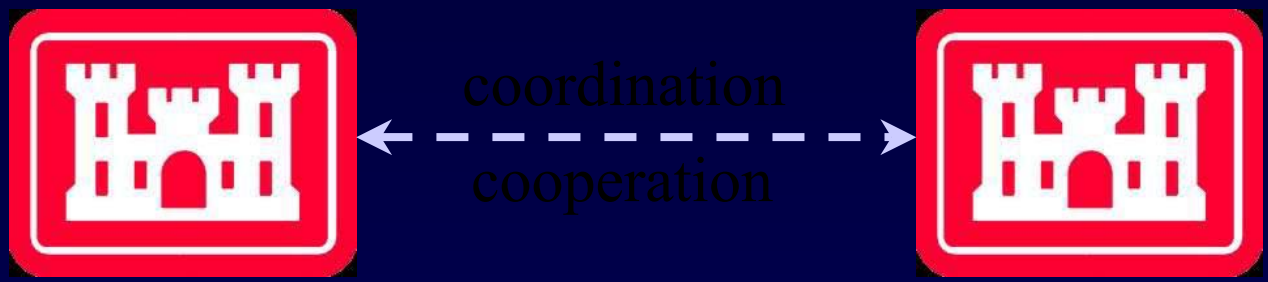
Security Solutions Synergy



Electronic Security Center

All aspects of engineering support to design, procurement, installation, and evaluation of electronic security systems

Protective Design Center

All aspects of engineering support to design, analysis, and evaluation for security, antiterrorism, and war time threat environments

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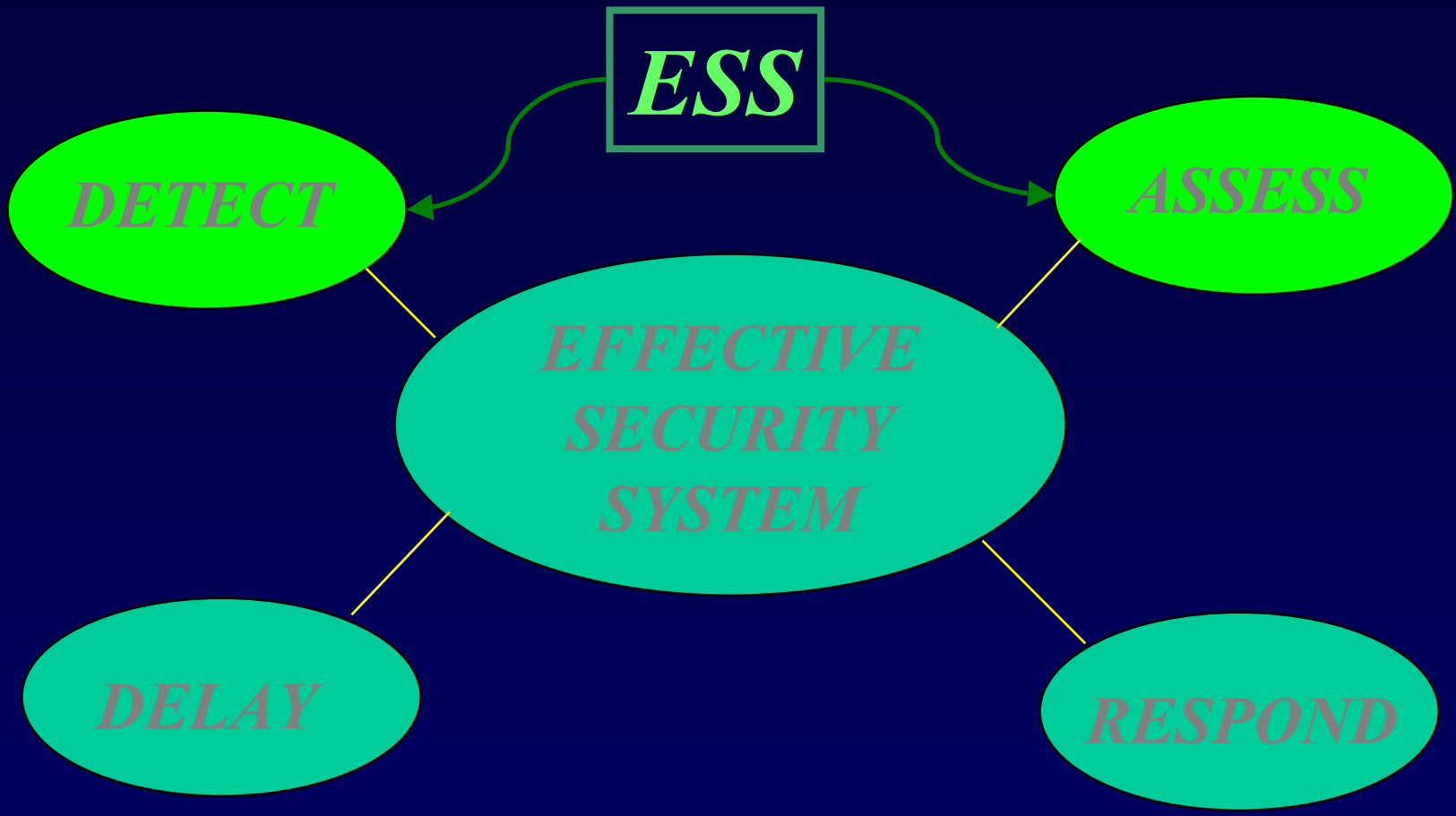
Physical Security Model



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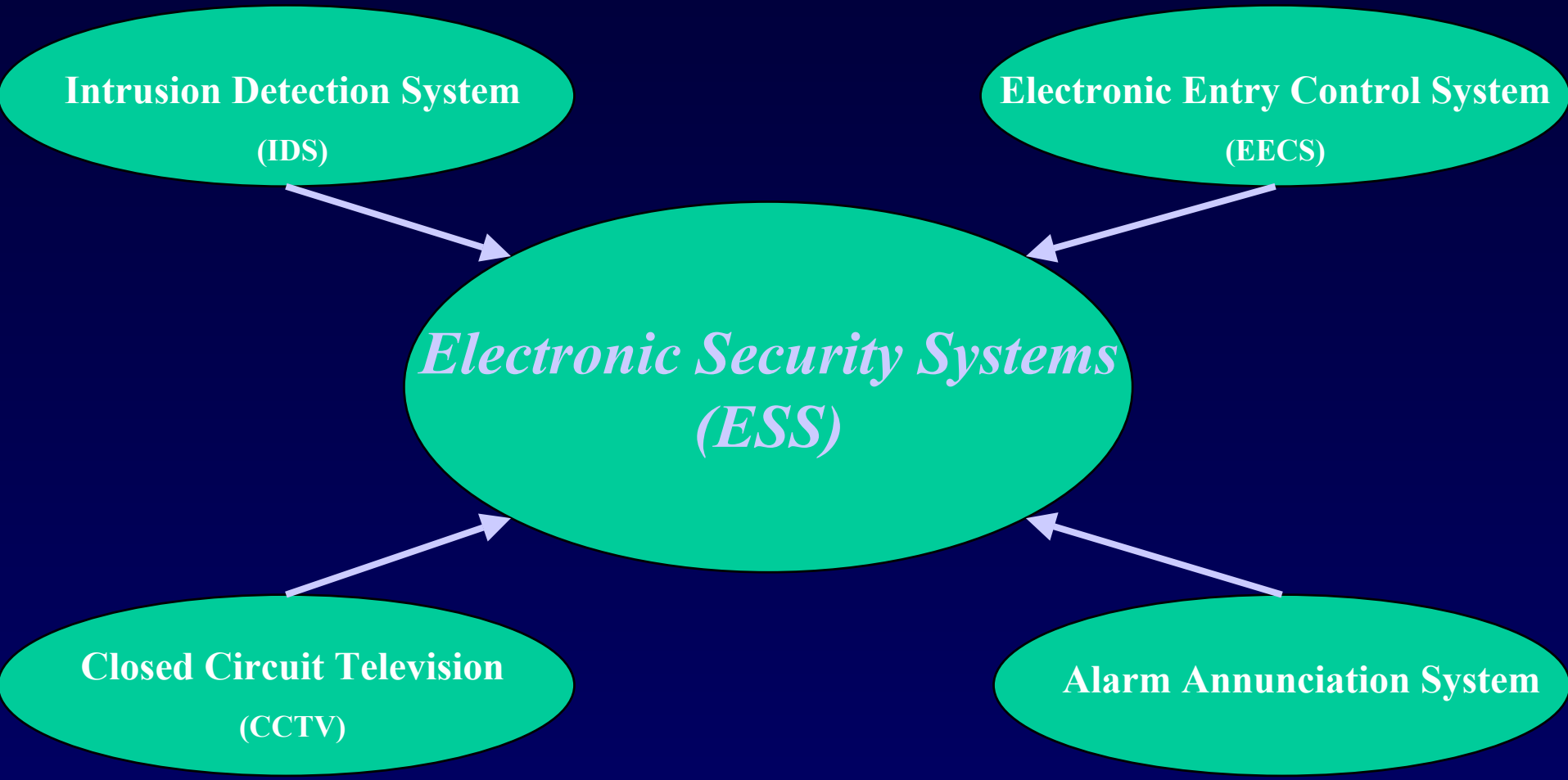
ESS Sub-Elements



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ETSC Technology Transfer

- ETSC Technical Criteria
  - Technical Manuals
  - Corps of Engineers Guide Specifications
  - Supplemental Design Documents
  - Test Procedures and Standards
  - Typical Installation Drawings
- ETSC Information Exchange
  - Technical Bulletins, Technical Articles
  - Conferences, Professional Societies, and Trade Symposiums

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Small Business Opportunities

- Engineering services contracts – estimate 3 awards to SB totaling $30M - advertise MAR 03 & award JUL 03
- UMCS A-E contracts – estimate 1 award to SB totaling $10M - Advertise MAR 03 & award JUN 03
- ESS A-E contracts – estimate 1 award to SB totaling $10M - Advertise MAR 03 & award JUN 03
- ESS Procure / Install service contracts – estimate 4 awards to SB totaling $200M - Advertise APR 03 & award JUL 03
- Electronic systems maintenance / service contracts – estimate 4 awards to SB totaling $100M - Advertise DEC 03 & award MAY 04